

2005 NAIP Survey  
Executive Summary  
For  
Florida

USDA  
Farm Service Agency

Aerial Photography Field Office

March 2006

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## Section 1

### 1.0 Introduction

The primary purpose of NAIP is to acquire peak growing season “leaf on” imagery, and deliver this imagery to United States Department of Agriculture (USDA) County Service Centers in order to maintain Common Land Unit (CLU) boundaries and assist with crop compliance and a multitude of other farm programs.

As evidenced by the types of customers requesting NAIP imagery, the imagery has other purposes as well. Although our primary customers are States and County Service Centers, other uses for NAIP imagery, including military, real estate, recreation, planning, etc., cannot be overlooked.

NAIP is a program with a relatively short history, beginning with pilot projects in 2001 and 2002, and moving to full volume acquisition in 2003 to 2005, based on funding and partnering. NAIP is moving out of the research and development phase and into sustainment status. By moving into a sustainment phase, a program can build and evaluate a quality business process, and stabilize. Part of this process is evaluating how NAIP is working for its primary customers.

### 1.1 Purpose and Scope

The focus of this document is to assess in a qualitative manner how NAIP is satisfying customer needs in Florida. In other words, “How did APFO do in providing *useful* NAIP imagery for its primary customer?” Answering this question comprises the purpose and scope.

### 1.2 Survey Submittals

For the initial disposition, the following States were sent surveys to disseminate to County Service Centers for completion: WA, OR, OK, KS, NE, MO, IA, MN, WI, IL, IN, OH, CT, and NC. No responses were received from KS or AZ by the 15 Dec 2005 due date. WA noted that they would respond to the survey, but due to imagery delivery/redelivery dates, responses would likely be after 15 Dec.

A second waive of surveys was sent to the following States to disseminate to County Service Centers for completion: CA, CO, MT, ND, SD, TX, LA, MS, AL, GA, **FL**, SC, VA, MD, PA, MI, RI, and CT. Responses were requested by 17 Feb, and by 9 Mar for select states which received imagery “late”. Surveys were accidentally sent to CT twice, however, County Service Centers only responded once. LA noted that they would only be able to get a few Counties to complete the survey by the 9 Mar due date. MI noted they would not be able to participate in the survey because of CIR rework that would be completed after the survey due date. MT noted that due to the late distribution of imagery, surveys would likely be returned after the 9 Mar due date. During the second waive of surveys, no survey responses were received by CO, GA, MI, or AL. Surveys received after 9 Mar 06 were not scored.

## Section 2

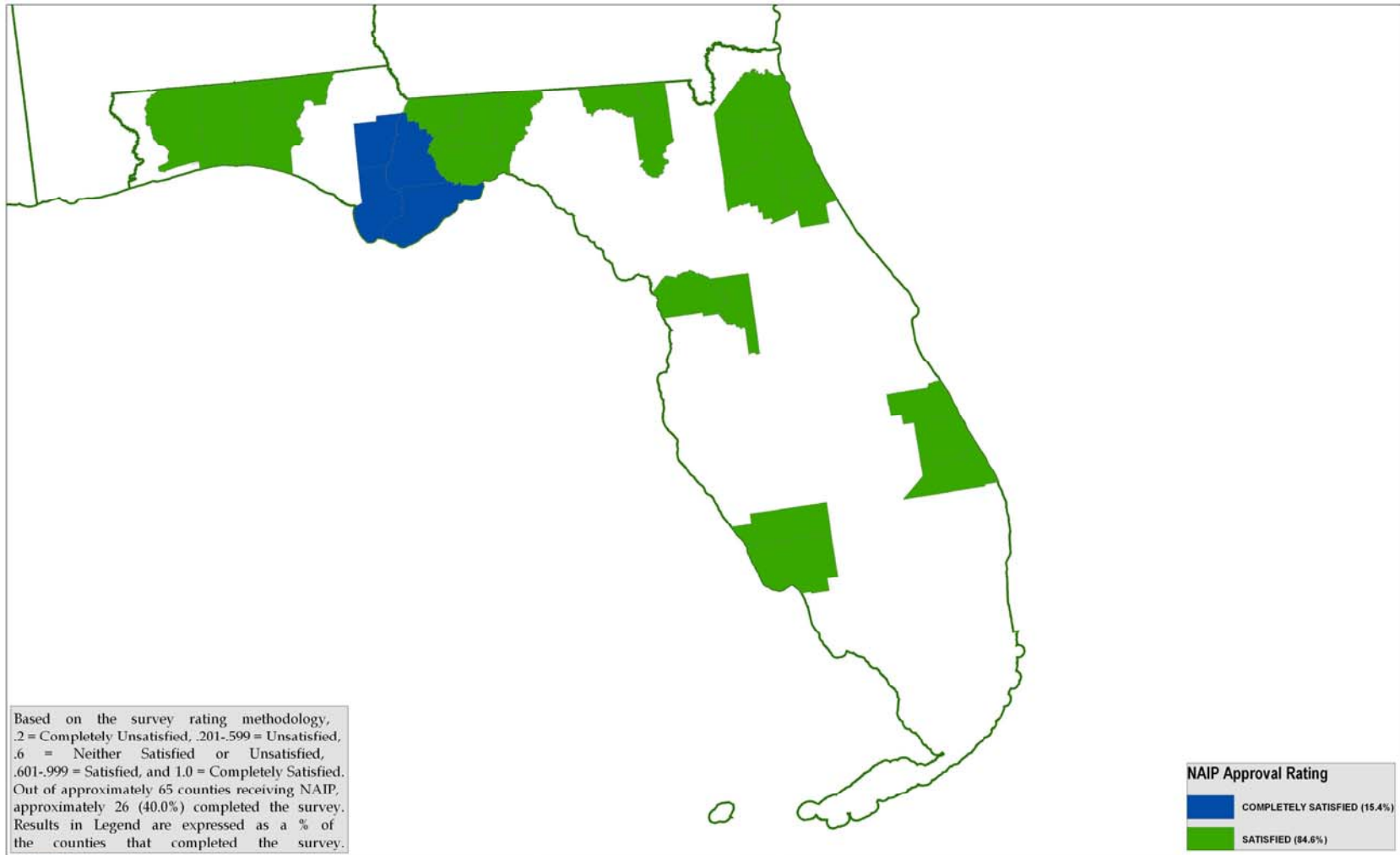
### 2.0 Qualitative Evaluation Summary

NAIP Assessment Surveys were provided by email to County Service Centers via the State Office and responses were requested by 17 Feb 06. Out of the responses received, in Florida, 1263 of a possible 1490 points were achieved, for a weighted average score out of 1.0 of .848, for a rating of 84.4%. Translated into survey terms, this is an overall rating of “Satisfied”. The map on the following page graphically represents overall survey results by county. These results indicate that generally the counties that participated in the survey were satisfied with 2005 NAIP and that the products met customer needs most of the time. However, there is room for improvement.

Most textual comments from the survey revolved around timing of imagery acquisition and delivery, resolution, and CLU certification. Textual comments can be found in the Executive Summary Supplementals 1 and 2. A statistical summary by question of survey results is shown below: Note that Q1-8 are out of a possible 5 points and Q9-10 are out of a possible 10 points. Statistically, the lowest average scoring question was Q1, “Was the imagery received by your office in time to be useful for crop compliance work?” Statistically, the highest scoring question was Q6, “Is the imagery useful for measurement services?”

Q1		Q2		Q3		Q4		Q5	
Mean	3.454545455	Mean	3.884615385	Mean	4.538461538	Mean	4.615384615	Mean	4.692307692
Standard Error	0.292231841	Standard Error	0.160066554	Standard Error	0.126864788	Standard Error	0.124985206	Standard Error	0.121138583
Median	3.5	Median	4	Median	5	Median	5	Median	5
Mode	5	Mode	3	Mode	5	Mode	5	Mode	5
Standard Deviation	1.370688834	Standard Deviation	0.816182483	Standard Deviation	0.646886032	Standard Deviation	0.637302005	Standard Deviation	0.617687997
Sample Variance	1.878787879	Sample Variance	0.666153846	Sample Variance	0.418461538	Sample Variance	0.406153846	Sample Variance	0.381538462
Kurtosis	-1.128340623	Kurtosis	-1.452618554	Kurtosis	0.264334474	Kurtosis	1.189700862	Kurtosis	2.719299982
Skewness	-0.322754737	Skewness	0.22353829	Skewness	-1.11393383	Skewness	-1.47401692	Skewness	-1.919227631
Range	4	Range	2	Range	2	Range	2	Range	2
Minimum	1	Minimum	3	Minimum	3	Minimum	3	Minimum	3
Maximum	5	Maximum	5	Maximum	5	Maximum	5	Maximum	5
Sum	76	Sum	101	Sum	118	Sum	120	Sum	122
Count	22	Count	26	Count	26	Count	26	Count	26
Q6		Q7		Q8		Q9_X2		Q10_X2	
Mean	4.818181818	Mean	4.5	Mean	4.769230769	Mean	9	Mean	6.615384615
Standard Error	0.084165464	Standard Error	0.184960878	Standard Error	0.11512792	Standard Error	0.277350098	Standard Error	0.396433807
Median	5	Median	5	Median	5	Median	10	Median	6
Mode	5	Mode	5	Mode	5	Mode	10	Mode	6
Standard Deviation	0.394771017	Standard Deviation	0.827170192	Standard Deviation	0.587039509	Standard Deviation	1.414213562	Standard Deviation	2.021423718
Sample Variance	0.155844156	Sample Variance	0.684210526	Sample Variance	0.344615385	Sample Variance	2	Sample Variance	4.086153846
Kurtosis	1.249561404	Kurtosis	-0.260122984	Kurtosis	5.323695375	Kurtosis	-0.013913043	Kurtosis	1.019297857
Skewness	-1.773179818	Skewness	-1.239939538	Skewness	-2.50956582	Skewness	-1.103086579	Skewness	-0.181787656
Range	1	Range	2	Range	2	Range	4	Range	8
Minimum	4	Minimum	3	Minimum	3	Minimum	6	Minimum	2
Maximum	5	Maximum	5	Maximum	5	Maximum	10	Maximum	10
Sum	106	Sum	90	Sum	124	Sum	234	Sum	172
Count	22	Count	20	Count	26	Count	26	Count	26

## 2005 NAIP - Overall Qualitative Survey Results



0 50 100 Kilometers  
Map Date: 14 March 06

